 WASHINGTON STATE DEPARTMENT OF ECOLOGY		Dangerous Waste Permit Application Part A Form	
Date Received		Reviewed by: <i>[Signature]</i>	Date: 08/03/2015
Month	Day	Year	Approved by: <i>[Signature]</i> for <i>Suzanne Dalt</i>
08	03	2015	Date: 08/03/2015
I. This form is submitted to: (place an "X" in the appropriate box)			
<input checked="" type="checkbox"/>	Request modification to a final status permit (commonly called a "Part B" permit)		
<input type="checkbox"/>	Request a change under interim status		
<input type="checkbox"/>	Apply for a final status permit. This includes the application for the initial final status permit for a site or for a permit renewal (i.e., a new permit to replace an expiring permit).		
<input type="checkbox"/>	Establish interim status because of the wastes newly regulated on:		(Date)
List waste codes:			
II. EPA/State ID Number			
W	A	7 8 9 0 0 0 8 9 6 7	
III. Name of Facility			
US Department of Energy - Hanford Facility			
IV. Facility Location (Physical address not P.O. Box or Route Number)			
A. Street			
825 Jadwin			
City or Town		State	ZIP Code
Richland		WA	99352
County Code (if known)	County Name		
0 0 5	Benton		
B. Land Type	C. Geographic Location		D. Facility Existence Date
	Latitude (degrees, mins, secs)	Longitude (degrees, mins, secs)	Month Day Year
F	Refer to TOPO Map (Section XV.)		0 3 2 2 1 9 4 3
V. Facility Mailing Address			
Street or P.O. Box			
P.O. Box 550			
City or Town		State	ZIP Code
Richland		WA	99352

VI. Facility contact (Person to be contacted regarding waste activities at facility)											
Name (last)						(first)					
Charboneau						Stacy					
Job Title						Phone Number (area code and number)					
Manager						(509) 376-7395					
Contact Address											
Street or P.O. Box											
P.O. Box 550											
City or Town						State		ZIP Code			
Richland						WA		99352			
VII. Facility Operator Information											
A. Name						Phone Number (area code and number)					
Department of Energy Owner/Operator						(509) 376-7395					
Pacific Northwest National Laboratory Co-Operator for 325 HWTUs*						(509) 372-6503					
Street or P.O. Box											
P.O. Box 550											
P.O. Box 999											
City or Town						State		ZIP Code			
Richland						WA		99352			
B. Operator Type		F									
C. Does the name in VII.A reflect a proposed change in operator?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide the scheduled date for the change:					
						Month		Day		Year	
D. Is the name listed in VII.A. also the owner? If yes, skip to Section VIII.C.						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
VIII. Facility Owner Information											
A. Name						Phone Number (area code and number)					
Stacy L. Charboneau, Operator/Facility-Property Owner						(509) 376-7395					
Street or P.O. Box											
P.O. Box 550											
City or Town						State		ZIP Code			
Richland						WA		99352			
B. Operator Type		F									
C. Does the name in VII.A reflect a proposed change in operator?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide the scheduled date for the change:					
						Month		Day		Year	
IX. NAICS Codes (5/6 digit codes)											
A. First						B. Second					
5	4	1	7	1	2	Research & Development in the Physical, Engineering, & Life Sciences					
C. Third						D. Fourth					

X. Other Environmental Permits (see instructions)														
A. Permit Type			B. Permit Number											C. Description
	E		A	I	R	-	1	1	-		7	0	4	WAC 246-247, Non radioactive Air, 40 CFR 61, Subpart H, NESHAPS

XI. Nature of Business (provide a brief description that includes both dangerous waste and non-dangerous waste areas and activities)

The 325 Hazardous Waste Treatment Units (325 HWTUs) consist of the Shielded Analytical Laboratory (SAL), which includes Rooms 32, 200, 201, 202, and 203 of the 325 Building; the Hazardous Waste Treatment Unit (HWTU), encompassing Rooms 520, 524, and 528 of the 325 Building; the Cask Handling Area, consisting of the northern portion of Rooms 603 and 604A of the 325 Building; the Truck Lock, Room 610 of the 325 Building; and the 3714 Pad area, an outdoor storage area adjacent to the 325 Building. The 325 HWTUs began waste management operations in 1991 (SAL) and 1995 (HWTU); the Cask Handling Area, the Truck Lock, and the 3714 Pad were added in 2014.

Dangerous or mixed waste treatments in the SAL and HWTU are generally conducted as small bench-scale operations except for in-tank treatments. Treatment processes utilized at the 325 HWTUs may include any of the types of treatment described in WAC 173-303-380(2)(d), Table 2, Section 2 except for the following: incineration technologies (T06-T10), large-scale biological treatment (T68, T72, and T73), boiler and industrial furnace-based treatment (T80-T93), and treatment in containment buildings (T94).

Routine dangerous and/or mixed waste treatment that will be conducted in the SAL and HWTU will include pH adjustment, ion exchange, carbon absorption, oxidation, reduction, waste concentration by evaporation, precipitation, filtration, solvent extraction, solids washing, phase separation, catalytic destruction, and solidification/stabilization. These waste treatments will be conducted on small quantities of diverse radioactive, dangerous, and/or mixed wastes generated from ongoing research and development and analytical chemistry activities.

Activities in the Cask Handling Area, the Truck Lock, and the 3714 Pad are focused on preparation and staging of dangerous or mixed waste for shipment to treatment or disposal facilities. Activities include repackaging, stabilization and void filling, and staging and storage for shipment. This activity often involves placing containers in 4'x4'x8' burial boxes and filling void spaces with concrete. The use of burial boxes is the reason these units require significantly larger treatment and storage capabilities; the actual amount of waste generated is not the reason for the larger capacity shown. The Cask Handling Area also contains a hood where small-scale treatment like that performed in the HWTU and SAL units can occur.

EXAMPLE FOR COMPLETING ITEMS XII and XIII (shown in lines numbered X-1, X-2, and X-3 below): A facility has two storage tanks that hold 1200 gallons and 400 gallons respectively. There is also treatment in tanks at 20 gallons/hr. Finally, a one-quarter acre area that is two meters deep will undergo *in situ* vitrification.

Section XII. Process Codes and Design Capacities								Section XIII. Other Process Codes								
Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	Line Number		A. Process Codes (enter code)			B. Process Design Capacity		C. Process Total Number of Units	D. Process Description
					1. Amount	2. Unit of Measure (enter code)							1. Amount	2. Unit of Measure (enter code)		
X	1	S	0	2	1,600	G	002	X	1	T	0	4	700	C	001	In situ vitrification
X	2	T	0	3	20	E	001									
X	3	T	0	4	700	C	001									
	1	S	0	1	50,360	L	005		1							
	2	S	0	2	1,218	L	001		2	T	0	4	39,874	V	005	Treatment in containers
	3	T	0	1	1,218	V	001		3							
	4	T	0	4	39,874	V	005		4							
	5								5							
	6								6							
	7								7							
	8								8							
	9								9							
1	0							1	0							
1	1							1	1							
1	2							1	2							
1	3							1	3							
1	4							1	4							
1	5							1	5							
1	6							1	6							
1	7							1	7							
1	8							1	8							
1	9							1	9							
2	0							2	0							
2	1							2	1							
2	2							2	2							
2	3							2	3							
2	4							2	4							
2	5							2	5							

XIV. Description of Dangerous Wastes

Example for completing this section: A facility will receive three non-listed wastes, then store and treat them on-site. Two wastes are corrosive only, with the facility receiving and storing the wastes in containers. There will be about 200 pounds per year of each of these two wastes, which will be neutralized in a tank. The other waste is corrosive and ignitable and will be neutralized then blended into hazardous waste fuel. There will be about 100 pounds per year of that waste, which will be received in bulk and put into tanks.

Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Processes											(2) Process Description [If a code is not entered in D (1)]
							(1) Process Codes											
X 1	D	0	0	2	400	P	S	0	1	T	0	1						
X 2	D	0	0	1	100	P	S	0	2	T	0	1						
X 3	D	0	0	2													Included with above	
1	D	0	0	1	146,500 [92,000 (S01); 54,500 (T04)]	K	S	0	1	T	0	4					Includes Debris	
2	D	0	0	2		K	S	0	1	T	0	4					Includes Debris	
3	D	0	0	3		K	S	0	1	T	0	4					Includes Debris	
4	D	0	0	4		K	S	0	1	T	0	4					Includes Debris	
5	D	0	0	5		K	S	0	1	T	0	4					Includes Debris	
6	D	0	0	6		K	S	0	1	T	0	4					Includes Debris	
7	D	0	0	7		K	S	0	1	T	0	4					Includes Debris	
8	D	0	0	8		K	S	0	1	T	0	4					Includes Debris	
9	D	0	0	9		K	S	0	1	T	0	4					Includes Debris	
10	D	0	1	0		K	S	0	1	T	0	4					Includes Debris	
11	D	0	1	1		K	S	0	1	T	0	4					Includes Debris	
12	D	0	1	2		K	S	0	1	T	0	4					Includes Debris	
13	D	0	1	3		K	S	0	1	T	0	4					Includes Debris	
14	D	0	1	4		K	S	0	1	T	0	4					Includes Debris	
15	D	0	1	5		K	S	0	1	T	0	4					Includes Debris	
16	D	0	1	6		K	S	0	1	T	0	4					Includes Debris	
17	D	0	1	7		K	S	0	1	T	0	4					Includes Debris	
18	D	0	1	8		K	S	0	1	T	0	4					Includes Debris	
19	D	0	1	9		K	S	0	1	T	0	4					Includes Debris	
20	D	0	2	0		K	S	0	1	T	0	4					Includes Debris	
21	D	0	2	1		K	S	0	1	T	0	4					Includes Debris	
22	D	0	2	2		K	S	0	1	T	0	4					Includes Debris	
23	D	0	2	3		K	S	0	1	T	0	4					Includes Debris	
24	D	0	2	4		K	S	0	1	T	0	4					Includes Debris	
25	D	0	2	5		K	S	0	1	T	0	4					Includes Debris	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

Line Number	A. Dangerous Waste No.				B. Estimated Annual Quantity of Waste	C. Unit of Measure	D. Process										(2) Process Description [If a code is not entered in D (1)]
							(1) Process Codes										
26	D	0	2	6		K	S	0	1	T	0	4				Includes Debris	
27	D	0	2	7		K	S	0	1	T	0	4				Includes Debris	
28	D	0	2	8		K	S	0	1	T	0	4				Includes Debris	
29	D	0	2	9		K	S	0	1	T	0	4				Includes Debris	
30	D	0	3	0		K	S	0	1	T	0	4				Includes Debris	
31	D	0	3	1		K	S	0	1	T	0	4				Includes Debris	
32	D	0	3	2		K	S	0	1	T	0	4				Includes Debris	
33	D	0	3	3		K	S	0	1	T	0	4				Includes Debris	
34	D	0	3	4		K	S	0	1	T	0	4				Includes Debris	
35	D	0	3	5		K	S	0	1	T	0	4				Includes Debris	
36	D	0	3	6		K	S	0	1	T	0	4				Includes Debris	
37	D	0	3	7		K	S	0	1	T	0	4				Includes Debris	
38	D	0	3	8		K	S	0	1	T	0	4				Includes Debris	
39	D	0	3	9		K	S	0	1	T	0	4				Includes Debris	
40	D	0	4	0		K	S	0	1	T	0	4				Includes Debris	
41	D	0	4	1		K	S	0	1	T	0	4				Includes Debris	
42	D	0	4	2		K	S	0	1	T	0	4				Includes Debris	
43	D	0	4	3		K	S	0	1	T	0	4				Includes Debris	
44	F	0	0	1		K	S	0	1	T	0	4				Includes Debris	
45	F	0	0	2		K	S	0	1	T	0	4				Includes Debris	
46	F	0	0	3		K	S	0	1	T	0	4				Includes Debris	
47	F	0	0	4		K	S	0	1	T	0	4				Includes Debris	
48	F	0	0	5		K	S	0	1	T	0	4				Includes Debris	
49	F	0	2	7		K	S	0	1	T	0	4				Includes Debris	
50	F	0	3	9		K	S	0	1	T	0	4				Includes Debris	
51	P	0	0	1		K	S	0	1	T	0	4				Includes Debris	
52	P	0	0	2		K	S	0	1	T	0	4				Includes Debris	
53	P	0	0	3		K	S	0	1	T	0	4				Includes Debris	
54	P	0	0	4		K	S	0	1	T	0	4				Includes Debris	
55	P	0	0	5		K	S	0	1	T	0	4				Includes Debris	
56	P	0	0	6		K	S	0	1	T	0	4				Includes Debris	
57	P	0	0	7		K	S	0	1	T	0	4				Includes Debris	
58	P	0	0	8		K	S	0	1	T	0	4				Includes Debris	
59	P	0	0	9		K	S	0	1	T	0	4				Includes Debris	
60	P	0	1	0		K	S	0	1	T	0	4				Includes Debris	

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

61	P	0	1	1		K	S	0	1	T	0	4				Includes Debris
62	P	0	1	2		K	S	0	1	T	0	4				Includes Debris
63	P	0	1	3		K	S	0	1	T	0	4				Includes Debris
64	P	0	1	4		K	S	0	1	T	0	4				Includes Debris
65	P	0	1	5		K	S	0	1	T	0	4				Includes Debris
66	P	0	1	6		K	S	0	1	T	0	4				Includes Debris
67	P	0	1	7		K	S	0	1	T	0	4				Includes Debris
68	P	0	1	8		K	S	0	1	T	0	4				Includes Debris
69	P	0	2	0		K	S	0	1	T	0	4				Includes Debris
70	P	0	2	1		K	S	0	1	T	0	4				Includes Debris
71	P	0	2	2		K	S	0	1	T	0	4				Includes Debris
72	P	0	2	3		K	S	0	1	T	0	4				Includes Debris
73	P	0	2	4		K	S	0	1	T	0	4				Includes Debris
74	P	0	2	6		K	S	0	1	T	0	4				Includes Debris
75	P	0	2	7		K	S	0	1	T	0	4				Includes Debris
76	P	0	2	8		K	S	0	1	T	0	4				Includes Debris
77	P	0	2	9		K	S	0	1	T	0	4				Includes Debris
78	P	0	3	0		K	S	0	1	T	0	4				Includes Debris
79	P	0	3	1		K	S	0	1	T	0	4				Includes Debris
80	P	0	3	3		K	S	0	1	T	0	4				Includes Debris
81	P	0	3	4		K	S	0	1	T	0	4				Includes Debris
82	P	0	3	6		K	S	0	1	T	0	4				Includes Debris
83	P	0	3	7		K	S	0	1	T	0	4				Includes Debris
84	P	0	3	8		K	S	0	1	T	0	4				Includes Debris
85	P	0	3	9		K	S	0	1	T	0	4				Includes Debris
86	P	0	4	0		K	S	0	1	T	0	4				Includes Debris
87	P	0	4	1		K	S	0	1	T	0	4				Includes Debris
88	P	0	4	2		K	S	0	1	T	0	4				Includes Debris
89	P	0	4	3		K	S	0	1	T	0	4				Includes Debris
90	P	0	4	4		K	S	0	1	T	0	4				Includes Debris
91	P	0	4	5		K	S	0	1	T	0	4				Includes Debris
92	P	0	4	6		K	S	0	1	T	0	4				Includes Debris
93	P	0	4	7		K	S	0	1	T	0	4				Includes Debris
94	P	0	4	8		K	S	0	1	T	0	4				Includes Debris
95	P	0	4	9		K	S	0	1	T	0	4				Includes Debris
96	P	0	5	0		K	S	0	1	T	0	4				Includes Debris
97	P	0	5	1		K	S	0	1	T	0	4				Includes Debris
98	P	0	5	4		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

99	P	0	5	6		K	S	0	1	T	0	4				Includes Debris
100	P	0	5	7		K	S	0	1	T	0	4				Includes Debris
101	P	0	5	8		K	S	0	1	T	0	4				Includes Debris
102	P	0	5	9		K	S	0	1	T	0	4				Includes Debris
103	P	0	6	0		K	S	0	1	T	0	4				Includes Debris
104	P	0	6	2		K	S	0	1	T	0	4				Includes Debris
105	P	0	6	3		K	S	0	1	T	0	4				Includes Debris
106	P	0	6	4		K	S	0	1	T	0	4				Includes Debris
107	P	0	6	5		K	S	0	1	T	0	4				Includes Debris
108	P	0	6	6		K	S	0	1	T	0	4				Includes Debris
109	P	0	6	7		K	S	0	1	T	0	4				Includes Debris
110	P	0	6	8		K	S	0	1	T	0	4				Includes Debris
111	P	0	6	9		K	S	0	1	T	0	4				Includes Debris
112	P	0	7	0		K	S	0	1	T	0	4				Includes Debris
113	P	0	7	1		K	S	0	1	T	0	4				Includes Debris
114	P	0	7	2		K	S	0	1	T	0	4				Includes Debris
115	P	0	7	3		K	S	0	1	T	0	4				Includes Debris
116	P	0	7	4		K	S	0	1	T	0	4				Includes Debris
117	P	0	7	5		K	S	0	1	T	0	4				Includes Debris
118	P	0	7	6		K	S	0	1	T	0	4				Includes Debris
119	P	0	7	7		K	S	0	1	T	0	4				Includes Debris
120	P	0	7	8		K	S	0	1	T	0	4				Includes Debris
121	P	0	8	1		K	S	0	1	T	0	4				Includes Debris
122	P	0	8	2		K	S	0	1	T	0	4				Includes Debris
123	P	0	8	4		K	S	0	1	T	0	4				Includes Debris
124	P	0	8	5		K	S	0	1	T	0	4				Includes Debris
125	P	0	8	7		K	S	0	1	T	0	4				Includes Debris
126	P	0	8	8		K	S	0	1	T	0	4				Includes Debris
127	P	0	8	9		K	S	0	1	T	0	4				Includes Debris
128	P	0	9	2		K	S	0	1	T	0	4				Includes Debris
129	P	0	9	3		K	S	0	1	T	0	4				Includes Debris
130	P	0	9	4		K	S	0	1	T	0	4				Includes Debris
131	P	0	9	5		K	S	0	1	T	0	4				Includes Debris
132	P	0	9	6		K	S	0	1	T	0	4				Includes Debris
133	P	0	9	7		K	S	0	1	T	0	4				Includes Debris
134	P	0	9	8		K	S	0	1	T	0	4				Includes Debris
135	P	0	9	9		K	S	0	1	T	0	4				Includes Debris
136	P	1	0	1		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

137	P	1	0	2		K	S	0	1	T	0	4				Includes Debris
138	P	1	0	3		K	S	0	1	T	0	4				Includes Debris
139	P	1	0	4		K	S	0	1	T	0	4				Includes Debris
140	P	1	0	5		K	S	0	1	T	0	4				Includes Debris
141	P	1	0	6		K	S	0	1	T	0	4				Includes Debris
142	P	1	0	8		K	S	0	1	T	0	4				Includes Debris
143	P	1	0	9		K	S	0	1	T	0	4				Includes Debris
144	P	1	1	0		K	S	0	1	T	0	4				Includes Debris
145	P	1	1	1		K	S	0	1	T	0	4				Includes Debris
146	P	1	1	2		K	S	0	1	T	0	4				Includes Debris
147	P	1	1	3		K	S	0	1	T	0	4				Includes Debris
148	P	1	1	4		K	S	0	1	T	0	4				Includes Debris
149	P	1	1	5		K	S	0	1	T	0	4				Includes Debris
150	P	1	1	6		K	S	0	1	T	0	4				Includes Debris
151	P	1	1	8		K	S	0	1	T	0	4				Includes Debris
152	P	1	1	9		K	S	0	1	T	0	4				Includes Debris
153	P	1	2	0		K	S	0	1	T	0	4				Includes Debris
154	P	1	2	1		K	S	0	1	T	0	4				Includes Debris
155	P	1	2	2		K	S	0	1	T	0	4				Includes Debris
156	P	1	2	3		K	S	0	1	T	0	4				Includes Debris
157	P	1	2	7		K	S	0	1	T	0	4				Includes Debris
158	P	1	2	8		K	S	0	1	T	0	4				Includes Debris
159	P	1	8	5		K	S	0	1	T	0	4				Includes Debris
160	P	1	8	8		K	S	0	1	T	0	4				Includes Debris
161	P	1	8	9		K	S	0	1	T	0	4				Includes Debris
162	P	1	9	0		K	S	0	1	T	0	4				Includes Debris
163	P	1	9	1		K	S	0	1	T	0	4				Includes Debris
164	P	1	9	2		K	S	0	1	T	0	4				Includes Debris
165	P	1	9	4		K	S	0	1	T	0	4				Includes Debris
166	P	1	9	6		K	S	0	1	T	0	4				Includes Debris
167	P	1	9	7		K	S	0	1	T	0	4				Includes Debris
168	P	1	9	8		K	S	0	1	T	0	4				Includes Debris
169	P	1	9	9		K	S	0	1	T	0	4				Includes Debris
170	P	2	0	1		K	S	0	1	T	0	4				Includes Debris
171	P	2	0	2		K	S	0	1	T	0	4				Includes Debris
172	P	2	0	3		K	S	0	1	T	0	4				Includes Debris
173	P	2	0	4		K	S	0	1	T	0	4				Includes Debris
174	P	2	0	5		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

175	U	0	0	1		K	S	0	1	T	0	4				Includes Debris
176	U	0	0	2		K	S	0	1	T	0	4				Includes Debris
177	U	0	0	3		K	S	0	1	T	0	4				Includes Debris
178	U	0	0	4		K	S	0	1	T	0	4				Includes Debris
179	U	0	0	5		K	S	0	1	T	0	4				Includes Debris
180	U	0	0	6		K	S	0	1	T	0	4				Includes Debris
181	U	0	0	7		K	S	0	1	T	0	4				Includes Debris
182	U	0	0	8		K	S	0	1	T	0	4				Includes Debris
183	U	0	0	9		K	S	0	1	T	0	4				Includes Debris
184	U	0	1	0		K	S	0	1	T	0	4				Includes Debris
185	U	0	1	1		K	S	0	1	T	0	4				Includes Debris
186	U	0	1	2		K	S	0	1	T	0	4				Includes Debris
187	U	0	1	4		K	S	0	1	T	0	4				Includes Debris
188	U	0	1	5		K	S	0	1	T	0	4				Includes Debris
189	U	0	1	6		K	S	0	1	T	0	4				Includes Debris
190	U	0	1	7		K	S	0	1	T	0	4				Includes Debris
191	U	0	1	8		K	S	0	1	T	0	4				Includes Debris
192	U	0	1	9		K	S	0	1	T	0	4				Includes Debris
193	U	0	2	0		K	S	0	1	T	0	4				Includes Debris
194	U	0	2	1		K	S	0	1	T	0	4				Includes Debris
195	U	0	2	2		K	S	0	1	T	0	4				Includes Debris
196	U	0	2	3		K	S	0	1	T	0	4				Includes Debris
197	U	0	2	4		K	S	0	1	T	0	4				Includes Debris
198	U	0	2	5		K	S	0	1	T	0	4				Includes Debris
199	U	0	2	6		K	S	0	1	T	0	4				Includes Debris
200	U	0	2	7		K	S	0	1	T	0	4				Includes Debris
201	U	0	2	8		K	S	0	1	T	0	4				Includes Debris
202	U	0	2	9		K	S	0	1	T	0	4				Includes Debris
203	U	0	3	0		K	S	0	1	T	0	4				Includes Debris
204	U	0	3	1		K	S	0	1	T	0	4				Includes Debris
205	U	0	3	2		K	S	0	1	T	0	4				Includes Debris
206	U	0	3	3		K	S	0	1	T	0	4				Includes Debris
207	U	0	3	4		K	S	0	1	T	0	4				Includes Debris
208	U	0	3	5		K	S	0	1	T	0	4				Includes Debris
209	U	0	3	6		K	S	0	1	T	0	4				Includes Debris
210	U	0	3	7		K	S	0	1	T	0	4				Includes Debris
211	U	0	3	8		K	S	0	1	T	0	4				Includes Debris
212	U	0	3	9		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

213	U	0	4	1		K	S	0	1	T	0	4				Includes Debris
214	U	0	4	2		K	S	0	1	T	0	4				Includes Debris
215	U	0	4	3		K	S	0	1	T	0	4				Includes Debris
216	U	0	4	4		K	S	0	1	T	0	4				Includes Debris
217	U	0	4	5		K	S	0	1	T	0	4				Includes Debris
218	U	0	4	6		K	S	0	1	T	0	4				Includes Debris
219	U	0	4	7		K	S	0	1	T	0	4				Includes Debris
220	U	0	4	8		K	S	0	1	T	0	4				Includes Debris
221	U	0	4	9		K	S	0	1	T	0	4				Includes Debris
222	U	0	5	0		K	S	0	1	T	0	4				Includes Debris
223	U	0	5	1		K	S	0	1	T	0	4				Includes Debris
224	U	0	5	2		K	S	0	1	T	0	4				Includes Debris
225	U	0	5	3		K	S	0	1	T	0	4				Includes Debris
226	U	0	5	5		K	S	0	1	T	0	4				Includes Debris
227	U	0	5	6		K	S	0	1	T	0	4				Includes Debris
228	U	0	5	7		K	S	0	1	T	0	4				Includes Debris
229	U	0	5	8		K	S	0	1	T	0	4				Includes Debris
230	U	0	5	9		K	S	0	1	T	0	4				Includes Debris
231	U	0	6	0		K	S	0	1	T	0	4				Includes Debris
232	U	0	6	1		K	S	0	1	T	0	4				Includes Debris
233	U	0	6	2		K	S	0	1	T	0	4				Includes Debris
234	U	0	6	3		K	S	0	1	T	0	4				Includes Debris
235	U	0	6	4		K	S	0	1	T	0	4				Includes Debris
236	U	0	6	6		K	S	0	1	T	0	4				Includes Debris
237	U	0	6	7		K	S	0	1	T	0	4				Includes Debris
238	U	0	6	8		K	S	0	1	T	0	4				Includes Debris
239	U	0	6	9		K	S	0	1	T	0	4				Includes Debris
240	U	0	7	0		K	S	0	1	T	0	4				Includes Debris
241	U	0	7	1		K	S	0	1	T	0	4				Includes Debris
242	U	0	7	2		K	S	0	1	T	0	4				Includes Debris
243	U	0	7	3		K	S	0	1	T	0	4				Includes Debris
244	U	0	7	4		K	S	0	1	T	0	4				Includes Debris
245	U	0	7	5		K	S	0	1	T	0	4				Includes Debris
246	U	0	7	6		K	S	0	1	T	0	4				Includes Debris
247	U	0	7	7		K	S	0	1	T	0	4				Includes Debris
248	U	0	7	8		K	S	0	1	T	0	4				Includes Debris
249	U	0	7	9		K	S	0	1	T	0	4				Includes Debris
250	U	0	8	0		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

251	U	0	8	1		K	S	0	1	T	0	4				Includes Debris
252	U	0	8	2		K	S	0	1	T	0	4				Includes Debris
253	U	0	8	3		K	S	0	1	T	0	4				Includes Debris
254	U	0	8	4		K	S	0	1	T	0	4				Includes Debris
255	U	0	8	5		K	S	0	1	T	0	4				Includes Debris
256	U	0	8	6		K	S	0	1	T	0	4				Includes Debris
257	U	0	8	7		K	S	0	1	T	0	4				Includes Debris
258	U	0	8	8		K	S	0	1	T	0	4				Includes Debris
259	U	0	8	9		K	S	0	1	T	0	4				Includes Debris
260	U	0	9	0		K	S	0	1	T	0	4				Includes Debris
261	U	0	9	1		K	S	0	1	T	0	4				Includes Debris
262	U	0	9	2		K	S	0	1	T	0	4				Includes Debris
263	U	0	9	3		K	S	0	1	T	0	4				Includes Debris
264	U	0	9	4		K	S	0	1	T	0	4				Includes Debris
265	U	0	9	5		K	S	0	1	T	0	4				Includes Debris
266	U	0	9	6		K	S	0	1	T	0	4				Includes Debris
267	U	0	9	7		K	S	0	1	T	0	4				Includes Debris
268	U	0	9	8		K	S	0	1	T	0	4				Includes Debris
269	U	0	9	9		K	S	0	1	T	0	4				Includes Debris
270	U	1	0	1		K	S	0	1	T	0	4				Includes Debris
271	U	1	0	2		K	S	0	1	T	0	4				Includes Debris
272	U	1	0	3		K	S	0	1	T	0	4				Includes Debris
273	U	1	0	5		K	S	0	1	T	0	4				Includes Debris
274	U	1	0	6		K	S	0	1	T	0	4				Includes Debris
275	U	1	0	7		K	S	0	1	T	0	4				Includes Debris
276	U	1	0	8		K	S	0	1	T	0	4				Includes Debris
277	U	1	0	9		K	S	0	1	T	0	4				Includes Debris
278	U	1	1	0		K	S	0	1	T	0	4				Includes Debris
279	U	1	1	1		K	S	0	1	T	0	4				Includes Debris
280	U	1	1	2		K	S	0	1	T	0	4				Includes Debris
281	U	1	1	3		K	S	0	1	T	0	4				Includes Debris
282	U	1	1	4		K	S	0	1	T	0	4				Includes Debris
283	U	1	1	5		K	S	0	1	T	0	4				Includes Debris
284	U	1	1	6		K	S	0	1	T	0	4				Includes Debris
285	U	1	1	7		K	S	0	1	T	0	4				Includes Debris
286	U	1	1	8		K	S	0	1	T	0	4				Includes Debris
287	U	1	1	9		K	S	0	1	T	0	4				Includes Debris
288	U	1	2	0		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

289	U	1	2	1		K	S	0	1	T	0	4				Includes Debris
290	U	1	2	2		K	S	0	1	T	0	4				Includes Debris
291	U	1	2	3		K	S	0	1	T	0	4				Includes Debris
292	U	1	2	4		K	S	0	1	T	0	4				Includes Debris
293	U	1	2	5		K	S	0	1	T	0	4				Includes Debris
294	U	1	2	6		K	S	0	1	T	0	4				Includes Debris
295	U	1	2	7		K	S	0	1	T	0	4				Includes Debris
296	U	1	2	8		K	S	0	1	T	0	4				Includes Debris
297	U	1	2	9		K	S	0	1	T	0	4				Includes Debris
298	U	1	3	0		K	S	0	1	T	0	4				Includes Debris
299	U	1	3	1		K	S	0	1	T	0	4				Includes Debris
300	U	1	3	2		K	S	0	1	T	0	4				Includes Debris
301	U	1	3	3		K	S	0	1	T	0	4				Includes Debris
302	U	1	3	4		K	S	0	1	T	0	4				Includes Debris
303	U	1	3	5		K	S	0	1	T	0	4				Includes Debris
304	U	1	3	6		K	S	0	1	T	0	4				Includes Debris
305	U	1	3	7		K	S	0	1	T	0	4				Includes Debris
306	U	1	3	8		K	S	0	1	T	0	4				Includes Debris
307	U	1	4	0		K	S	0	1	T	0	4				Includes Debris
308	U	1	4	1		K	S	0	1	T	0	4				Includes Debris
309	U	1	4	2		K	S	0	1	T	0	4				Includes Debris
310	U	1	4	3		K	S	0	1	T	0	4				Includes Debris
311	U	1	4	4		K	S	0	1	T	0	4				Includes Debris
312	U	1	4	5		K	S	0	1	T	0	4				Includes Debris
313	U	1	4	6		K	S	0	1	T	0	4				Includes Debris
314	U	1	4	7		K	S	0	1	T	0	4				Includes Debris
315	U	1	4	8		K	S	0	1	T	0	4				Includes Debris
316	U	1	4	9		K	S	0	1	T	0	4				Includes Debris
317	U	1	5	0		K	S	0	1	T	0	4				Includes Debris
318	U	1	5	1		K	S	0	1	T	0	4				Includes Debris
319	U	1	5	2		K	S	0	1	T	0	4				Includes Debris
320	U	1	5	3		K	S	0	1	T	0	4				Includes Debris
321	U	1	5	4		K	S	0	1	T	0	4				Includes Debris
322	U	1	5	5		K	S	0	1	T	0	4				Includes Debris
323	U	1	5	6		K	S	0	1	T	0	4				Includes Debris
324	U	1	5	7		K	S	0	1	T	0	4				Includes Debris
325	U	1	5	8		K	S	0	1	T	0	4				Includes Debris
326	U	1	5	9		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

327	U	1	6	0		K	S	0	1	T	0	4				Includes Debris
328	U	1	6	1		K	S	0	1	T	0	4				Includes Debris
329	U	1	6	2		K	S	0	1	T	0	4				Includes Debris
330	U	1	6	3		K	S	0	1	T	0	4				Includes Debris
331	U	1	6	4		K	S	0	1	T	0	4				Includes Debris
332	U	1	6	5		K	S	0	1	T	0	4				Includes Debris
333	U	1	6	6		K	S	0	1	T	0	4				Includes Debris
334	U	1	6	7		K	S	0	1	T	0	4				Includes Debris
335	U	1	6	8		K	S	0	1	T	0	4				Includes Debris
336	U	1	6	9		K	S	0	1	T	0	4				Includes Debris
337	U	1	7	0		K	S	0	1	T	0	4				Includes Debris
338	U	1	7	1		K	S	0	1	T	0	4				Includes Debris
339	U	1	7	2		K	S	0	1	T	0	4				Includes Debris
340	U	1	7	3		K	S	0	1	T	0	4				Includes Debris
341	U	1	7	4		K	S	0	1	T	0	4				Includes Debris
342	U	1	7	6		K	S	0	1	T	0	4				Includes Debris
343	U	1	7	7		K	S	0	1	T	0	4				Includes Debris
344	U	1	7	8		K	S	0	1	T	0	4				Includes Debris
345	U	1	7	9		K	S	0	1	T	0	4				Includes Debris
346	U	1	8	0		K	S	0	1	T	0	4				Includes Debris
347	U	1	8	1		K	S	0	1	T	0	4				Includes Debris
348	U	1	8	2		K	S	0	1	T	0	4				Includes Debris
349	U	1	8	3		K	S	0	1	T	0	4				Includes Debris
350	U	1	8	4		K	S	0	1	T	0	4				Includes Debris
351	U	1	8	5		K	S	0	1	T	0	4				Includes Debris
352	U	1	8	6		K	S	0	1	T	0	4				Includes Debris
353	U	1	8	7		K	S	0	1	T	0	4				Includes Debris
354	U	1	8	8		K	S	0	1	T	0	4				Includes Debris
355	U	1	8	9		K	S	0	1	T	0	4				Includes Debris
356	U	1	9	0		K	S	0	1	T	0	4				Includes Debris
357	U	1	9	1		K	S	0	1	T	0	4				Includes Debris
358	U	1	9	2		K	S	0	1	T	0	4				Includes Debris
359	U	1	9	3		K	S	0	1	T	0	4				Includes Debris
360	U	1	9	4		K	S	0	1	T	0	4				Includes Debris
361	U	1	9	6		K	S	0	1	T	0	4				Includes Debris
362	U	1	9	7		K	S	0	1	T	0	4				Includes Debris
363	U	2	0	0		K	S	0	1	T	0	4				Includes Debris
364	U	2	0	1		K	S	0	1	T	0	4				Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

365	U	2	0	3		K	S	0	1	T	0	4							Includes Debris
366	U	2	0	4		K	S	0	1	T	0	4							Includes Debris
367	U	2	0	5		K	S	0	1	T	0	4							Includes Debris
368	U	2	0	6		K	S	0	1	T	0	4							Includes Debris
369	U	2	0	7		K	S	0	1	T	0	4							Includes Debris
370	U	2	0	8		K	S	0	1	T	0	4							Includes Debris
371	U	2	0	9		K	S	0	1	T	0	4							Includes Debris
372	U	2	1	0		K	S	0	1	T	0	4							Includes Debris
373	U	2	1	1		K	S	0	1	T	0	4							Includes Debris
374	U	2	1	3		K	S	0	1	T	0	4							Includes Debris
375	U	2	1	4		K	S	0	1	T	0	4							Includes Debris
376	U	2	1	5		K	S	0	1	T	0	4							Includes Debris
377	U	2	1	6		K	S	0	1	T	0	4							Includes Debris
378	U	2	1	7		K	S	0	1	T	0	4							Includes Debris
379	U	2	1	8		K	S	0	1	T	0	4							Includes Debris
380	U	2	1	9		K	S	0	1	T	0	4							Includes Debris
381	U	2	2	0		K	S	0	1	T	0	4							Includes Debris
382	U	2	2	1		K	S	0	1	T	0	4							Includes Debris
383	U	2	2	2		K	S	0	1	T	0	4							Includes Debris
384	U	2	2	3		K	S	0	1	T	0	4							Includes Debris
385	U	2	2	5		K	S	0	1	T	0	4							Includes Debris
386	U	2	2	6		K	S	0	1	T	0	4							Includes Debris
387	U	2	2	7		K	S	0	1	T	0	4							Includes Debris
388	U	2	2	8		K	S	0	1	T	0	4							Includes Debris
389	U	2	3	4		K	S	0	1	T	0	4							Includes Debris
390	U	2	3	5		K	S	0	1	T	0	4							Includes Debris
391	U	2	3	6		K	S	0	1	T	0	4							Includes Debris
392	U	2	3	7		K	S	0	1	T	0	4							Includes Debris
393	U	2	3	8		K	S	0	1	T	0	4							Includes Debris
394	U	2	3	9		K	S	0	1	T	0	4							Includes Debris
395	U	2	4	0		K	S	0	1	T	0	4							Includes Debris
396	U	2	4	3		K	S	0	1	T	0	4							Includes Debris
397	U	2	4	4		K	S	0	1	T	0	4							Includes Debris
398	U	2	4	6		K	S	0	1	T	0	4							Includes Debris
399	U	2	4	7		K	S	0	1	T	0	4							Includes Debris
400	U	2	4	8		K	S	0	1	T	0	4							Includes Debris
401	U	2	4	9		K	S	0	1	T	0	4							Includes Debris

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

402	U	2	7	1		K	S	0	1	T	0	4				Includes Debris
403	U	2	7	8		K	S	0	1	T	0	4				Includes Debris
404	U	2	7	9		K	S	0	1	T	0	4				Includes Debris
405	U	2	8	0		K	S	0	1	T	0	4				Includes Debris
406	U	3	2	8		K	S	0	1	T	0	4				Includes Debris
407	U	3	5	3		K	S	0	1	T	0	4				Includes Debris
408	U	3	5	9		K	S	0	1	T	0	4				Includes Debris
409	U	3	6	4		K	S	0	1	T	0	4				Includes Debris
410	U	3	6	7		K	S	0	1	T	0	4				Includes Debris
411	U	3	7	2		K	S	0	1	T	0	4				Includes Debris
412	U	3	7	3		K	S	0	1	T	0	4				Includes Debris
413	U	3	8	7		K	S	0	1	T	0	4				Includes Debris
414	U	3	8	9		K	S	0	1	T	0	4				Includes Debris
415	U	3	9	4		K	S	0	1	T	0	4				Includes Debris
416	U	3	9	5		K	S	0	1	T	0	4				Includes Debris
417	U	4	0	4		K	S	0	1	T	0	4				Includes Debris
418	U	4	0	9		K	S	0	1	T	0	4				Includes Debris
419	U	4	1	0		K	S	0	1	T	0	4				Includes Debris
420	U	4	1	1		K	S	0	1	T	0	4				Includes Debris
421	W	P	C	B		K	S	0	1	T	0	4				Includes Debris
422	W	P	0	1		K	S	0	1	T	0	4				Includes Debris
423	W	P	0	2		K	S	0	1	T	0	4				Includes Debris
424	W	P	0	3		K	S	0	1	T	0	4				Includes Debris
425	W	T	0	1		K	S	0	1	T	0	4				Includes Debris
426	W	T	0	2		K	S	0	1	T	0	4				Includes Debris
427	W	S	C	2		K	S	0	1	T	0	4				Includes Debris
428	D	0	0	1	10,000	K	S	0	2	T	0	1				
429	D	0	0	2		K	S	0	2	T	0	1				
430	D	0	0	3		K	S	0	2	T	0	1				
431	D	0	0	4		K	S	0	2	T	0	1				
432	D	0	0	5		K	S	0	2	T	0	1				
433	D	0	0	6		K	S	0	2	T	0	1				
434	D	0	0	7		K	S	0	2	T	0	1				
435	D	0	0	8		K	S	0	2	T	0	1				
436	D	0	0	9		K	S	0	2	T	0	1				
437	D	0	1	0		K	S	0	2	T	0	1				
438	D	0	1	1		K	S	0	2	T	0	1				
439	D	0	1	8		K	S	0	2	T	0	1				

EPA/State ID Number	W	A	7	8	9	0	0	0	8	9	6	7
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Continuation of Section XIV. Description of Dangerous Waste

440	D	0	1	9		K	S	0	2	T	0	1				
441	D	0	2	2		K	S	0	2	T	0	1				
442	D	0	2	8		K	S	0	2	T	0	1				
443	D	0	2	9		K	S	0	2	T	0	1				
444	D	0	3	0		K	S	0	2	T	0	1				
445	D	0	3	3		K	S	0	2	T	0	1				
446	D	0	3	4		K	S	0	2	T	0	1				
447	D	0	3	5		K	S	0	2	T	0	1				
448	D	0	3	6		K	S	0	2	T	0	1				
449	D	0	3	8		K	S	0	2	T	0	1				
450	D	0	3	9		K	S	0	2	T	0	1				
451	D	0	4	0		K	S	0	2	T	0	1				
452	D	0	4	1		K	S	0	2	T	0	1				
453	D	0	4	3		K	S	0	2	T	0	1				
454	F	0	0	1		K	S	0	2	T	0	1				
455	F	0	0	2		K	S	0	2	T	0	1				
456	F	0	0	3		K	S	0	2	T	0	1				
457	F	0	0	4		K	S	0	2	T	0	1				
458	F	0	0	5		K	S	0	2	T	0	1				
459	F	0	3	9		K	S	0	2	T	0	1				
460	W	T	0	1		K	S	0	2	T	0	1				
461	W	T	0	2		K	S	0	2	T	0	1				
462	W	P	0	1		K	S	0	2	T	0	1				
463	W	P	0	2		K	S	0	2	T	0	1				
464	W	S	C	2		K	S	0	2	T	0	1				
465																
466																
467																

XV. Map

Attach to this application a topographic map of the area extending to at least one (1) mile beyond property boundaries. The map must show the outline of the facility; the location of each of its existing and proposed intake and discharge structures; each of its dangerous waste treatment, storage, recycling, or disposal units; and each well where fluids are injected underground. Include all springs, rivers, and other surface water bodies in this map area, plus drinking water wells listed in public records or otherwise known to the applicant within ¼ mile of the facility property boundary. The instructions provide additional information on meeting these requirements.

Topographic map is located on the last page.

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (refer to Instructions for more detail).

XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, recycling, and disposal areas; and sites of future storage, treatment, recycling, or disposal areas (refer to Instructions for more detail).

XVIII. Certifications

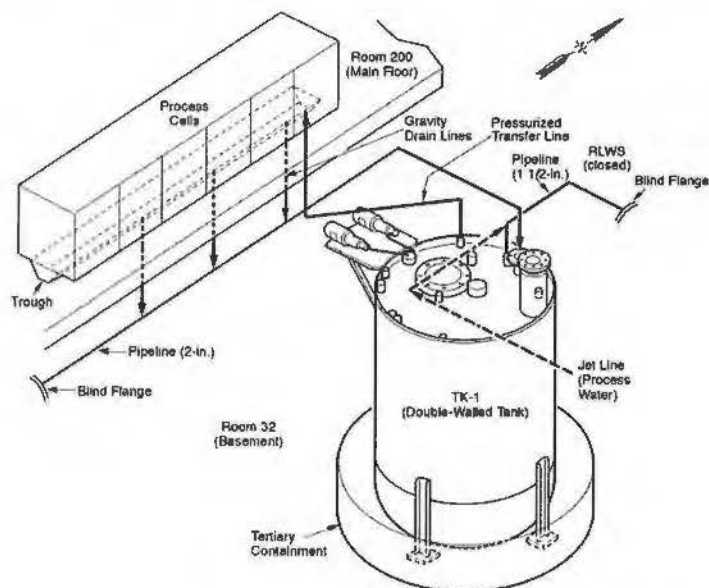
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Operator Name and Official Title Stacy L. Charboneau Manager U.S. Department of Energy Richland Operations Office	Signature 	Date Signed 7/31/15
Co-Operator Name and Official Title Cameron M. Andersen, Director Environment, Health, Safety and Security Pacific Northwest National Laboratory	Signature 	Date Signed 24 JUL 2015
Co-Operator – Address and Telephone Number* P.O. Box 999 Richland, WA 99352 (509) 372-6503		
Facility-Property Owner Name and Official Title Stacy L. Charboneau Manager U.S. Department of Energy Richland Operations Office	Signature 	Date Signed 7/31/15

Comments

325 Hazardous Waste Treatment Units

Shielded Analytical Laboratory Tank and Ancillary Piping



MS00B-1.1
5-17-05



Room 528

96010398-22CN
(Photo Taken 1996)

325 Hazardous Waste Treatment Units



Room 528

96010398-20CN
(Photo Taken 1996)



Room 520

96010398-17CN
(Photo Taken 1996)

325 Hazardous Waste Treatment Units



Room 201

96010398-16CN
(Photo Taken 1996)



Room 201

96010398-7CN
(Photo Taken 1996)

Shielded Analytical Laboratory



Room 200

96010398-1CN
(Photo Taken 1996)



SAL Tank (Room 32)

96010398-3CN
(Photo Taken 1996)

Shielded Analytical Laboratory



Room 203

7908247-1CN
(Photo Taken 1979)

Cask Handling Area (Room 603/604A)



Photo taken 2014

Truck Lock (Room 610)



Photo taken 2014

3714 Pad

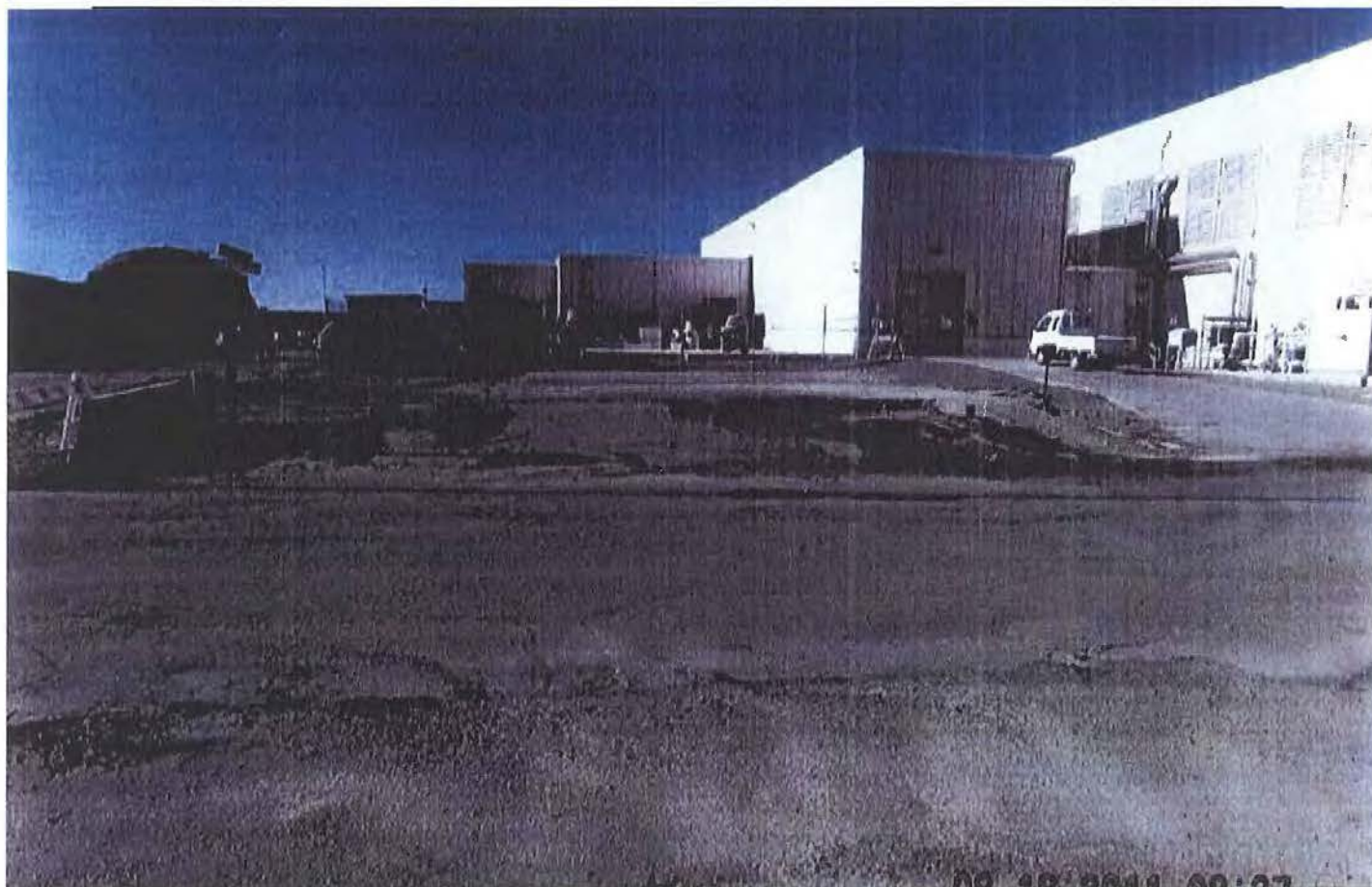
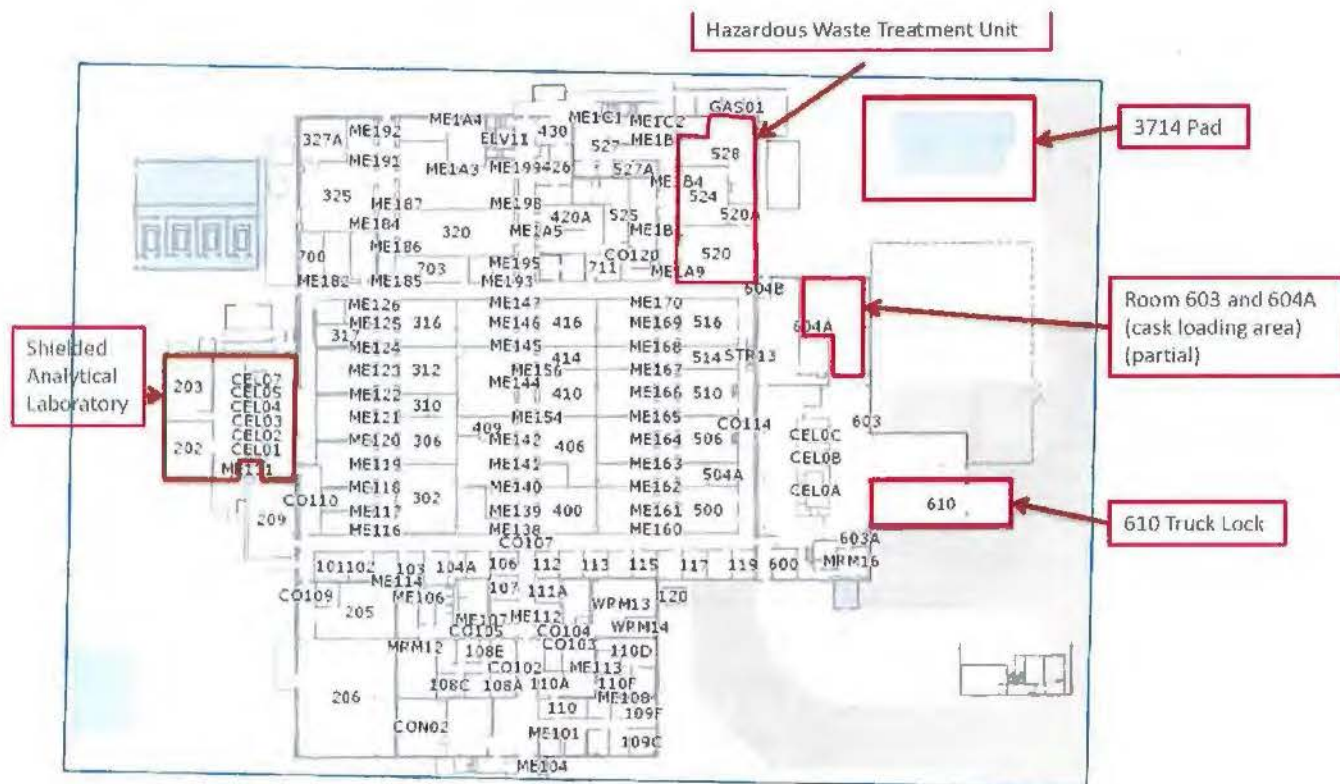


Photo taken 2011

325 Hazardous Waste Treatment Units



Location of the Hazardous Waste Treatment Units: 325 Building First Floor

ECY 030-31 Hanford (Rev. 3/5/04)

